Wednesday, 12/13/2006 2:46:45 PM

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 29929

Estimate Number

: 11914

P.O. Number

Previous Run

Written By

: NA

This Issue : 12/13/2006

Checked & Approved By

Prsht Rev. First Issue

ALL:

Type

S.O. No. : 1/12

: SMALL/MED FAB

Re-format EC

Drawing Name

: TUBE ASSEMBLY

: D2003009 **Part Number**

· UNDER REVIEW **Drawing Number**

Project Number : N/A **Drawing Revision**

06.12.13 SEE NOTE ON DWG

Material : 1/10/2007 **Due Date**

Qty:

Each 5 Um:

Comment **Additional Product**

Job Number:



Seq. #:

Machine Or Operation:

: Est

Description:

M6061T6T0375W035 1.0

6061-T6 Tube .375 x.035W



Comment: Qty.: 1.0884 f(s)/Unit Total:

Cut as per template D2003-007 (12.44" long) Material:3/8"Æ x 0.035" wall 6061-T6 tubing

Batch: M 17 431

Cut: 12.38" long as per Dwg D2003 Material: M2650-6 Heat sleeve

FF 07-01-02

07-01-

2.0

Firesleeve-crkl .375IDia



Comment: Qty.:

1.0400 f(s)/Unit

5.2000 f(s) Total:

Firesleeve-crkl .375IDia



3.0

MS208196D

Sleeve



Comment: Qty.: 2.1000 Each(s)/Unit

Total:

10.5000 Each(s)

Pick:

Qty 2

Part Number Description

MS20819-6D Sleeve

07-01-02

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES												
DATE	STEP			Ву	y Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
v 9			·				4							

Part No:	,	PAR #:	Fault Category:	NCR: Yes No DQA:	Date: 07/0///
				QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section B	Verification	Approval	Annaval						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector					
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NOTE: Date & initial all entries

Wednesday, 12/13/2006 2:46:45 PM Cate: User: Kim Johnston **Process Sheet Drawing Name: TUBE ASSEMBLY** Customer: CU-DAR001 Dart Helicopters Services Job Number: 29929 Part Number: D2003009 Job Number: Seq. #: Description: **Machine Or Operation:** Nut 4.0 AN8186D Comment: Qty.: 2.0000 Each(s)/Unit Total: 10.0000 Each(s) Pick: Qty Part Number Description Batch 07-01-02 AN818-6D 2 Nut D2182 5.0 Comment: Qty.: 0.3750 f(s)/Unit Total: 1.8750 f(s) Pick: Part Number Description Batch 1308/64A D2182-045 Heat shrink SMALL FAB 1 SMALL & MEDIUM FAB RESOURCE 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 07-01-02 1-Form tube as per template D2003-009 07-01-11 2-Assemble as per Dwg D2003 7.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP 8.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 9.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Form: rprocess

Page 2

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES												
DATE	STEP	PROCEDURE CHANGE By Date Qty Approval Chief Eng / Prod Mgr												
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Part No: _	·	(1)	PAR #:	Fault Category:	 NCR: Yes No	DQA:	Date:
					QA: N/C	Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)												
		Description of NC		Corrective Action Section B		Verification	Approval Chief Eng	Approval QC Inspector						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C								
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NOTE: Date & initial all entries





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1	45	1 4	D2003 SHEET 1 OF 2
DATE	<u> </u>		TITLE SCALE
99.0	6.08		206 CABIN HEATER TUBE ASSEMBLIES NTS
Α		90.04.09	NEW ISSUE
В		99.06.08	UPDATE PER TEMPLATES; ADD P/N'S; 0.025 TUBING NOW 0.035 (TSR1049)

NOTE: FLAT LENGTHS MAYBE UNDER REVIEW
INCORRECT. BEND TO BENT OC. 08.21 CB Jan

Some Flot 06.12.13

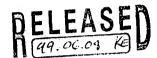
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1			A A	<u> </u>	20	181	320	8	220	8			VENDOR OR	
1			HEATSLEEVE LENGTH	CUT LENGTH OF TUBE ²	MS	AP	Σ̈́	ব	Ξ	4	DESC.	MATERIAL4/6/7	SPEC	
P/N_		TEMPLATE								2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-001	T2003-001	5.2	6.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-003	T2003-003	7.3	8.12					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-005	T2003-005	9.8	10.62					2		TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-007	T2003-007	20.0	19.63					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-009	T2003-009	12.38	12.44			<u> </u>		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-011	T2003-011	33,31	32.38			 				TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-013	T2003-013	12.7	13.54					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-015	T2003-015	17.2	18.00							TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D200	3-019	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D200	3-021	T2003-021	N/A	2.25			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D200	3-023	T2003-023	4.5	5.33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D200	3-025	T2003-025	9.8	10.60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D200	3-027	T2003-027	7.25	7.38			2	2	<u>.</u>		TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D200	3-029	T2003-029	17.2	18.00			2	2			TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-031	T2003-031	14.6	15.38	2	2	ļ				TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-033	T2003-033	29.75	29.62	2	2		L				CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-035	T2003-035	24.7	27.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-037	T2003-037	24.81	23.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-041	T2003-041	6.0	5.88	2	2		ļ			TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-043	T2003-043	11.7	10.75	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-045	T2003-045	3.50	2.44	2	2	Ļ				TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-047	T2003-047	5.56	5.56	_2	2	L	- 17			TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D200	3-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D200	3-077	T2003-077	N/A	6.25					1	1	JET JET	6061-T6 0.375 OD x 0.035 W	WW-T-600/6	
D200	3-101	T2003-101	13.25	13.13	<u> </u>	ļ			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6	
	3-103	T2003-103	12.38	12.00	<u> </u>	<u> </u>			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6	
D200	3-105	T2003-105	10.75	10.60					- 2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6	
D200	3-107	T2003-107	12.75	12.25		L		<u></u>	2	2	TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6	
D200	3-109	T2003-109	8.25	8.125	<u> </u>		2	2	L		TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6	
D200	3-111	T2003-111	4.75	4.625		L	2	2		ļ	TUBE ASS'Y	M2650-20 CRINKLE-SOFT	STRATOFLEX	
D200	3-116	T2003-116	4.0					L			HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX	
D200	3-120	T2003-120	4.0								HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX	
D200	3-14	T2003-14	4.0				ļ				HEATSLEEVE		STRATOFLEX	
D200	3-16	T2003-16	4.0				L				HEATSLEEVE	M2650-16 CRINKLE-SOFT 6061-T6 0.375 OD x 0.035 W	WV-T-700/6	
D200	3-205	T2003-205	9.75	9.60					2	2	TUBE ASS'Y		WW-T-700/6	
D200	3-207	T2003-207	3.75	3.75			ļ		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	444-1-100/0	
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	99.06.08		206 CABIN HEATER TUBE	ASSEMBLIES NTS
	99.00.00			





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Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0,049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

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